## Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

## ßuliss for

## Autumn Plantine

## 1924


U. B. Departicent of Agqualioios:

# St. Louis 

 SEED Co. st. Louis, Mo.

## PLANT DUTCH BULBS

## For the Early Flowers of Spring

IT IS after the long winter months that all is again joy and happiness. Again the trees come to life; the flowers begin to grow; the birds return, and the fields and streams and all the wonders of nature join in making man's life happier and better than ever.
Crocus, Tulips, Hyacinths and Narcissi are the first tokens of a rejuvenated world. During the winter months they have been idle, but with the first warm weather they come forth with new life. The Tulips add color and life to the new landscape. The Hyacinths, with their tiny bells, are the first signs of Spring.

## General Directions to Customers

Unknown correspondents desiring to open an account will furnish three references from parties in the trade with whom they have had credit relations, otherwise cash must accompany order.
Remittances should be made by Post-Office Money Orders, Drafts on St. Louis Banks, or Express Money Orders. Where it is not possible to obtain these, the letter should be registered. We cannot guarantee receipt of money sent in any other way.
Goods desired C. O. D. must be accompanied by a partial remittance to guarantee acceptance.
All goods are offered subject to being unsold on receipt of order, and we reserve the right to advance prices without notice.
No charge is made for boxes or packing, nor for delivery to Freight Depots or Express Offices in St. Louis, Mo.
In filling out your order always give Shipping Directions, and write Name and Address distinctly on each and every order.

## LOW EXPRESS AND PARCEL POST RATES <br> From St. Louis on Account of Our Central Location

By our careful and thorough system of packing we Guarantee Safe Delivery when ordered to be sent by Express, and we always ship this way unless we have positive instructions to the contrary, and when sent in any other way, are solely at purchaser's risk.

| I N D EX |  |  |  |
| :---: | :---: | :---: | :---: |
| Amaryllis Page | Lawn Seeds Page | Peonies Page | Sprayers Page |
| Amaryllis ...... ${ }_{\text {Bird }}{ }^{15}$ | Lawn Seeds..... ${ }^{19}$ | Peonies Poultry Sup-.... 16 | Sprayers ${ }_{\text {Tulips, }}$ Darwin....6-7 |
| Crocus ........ 13 | Narcissus, Paper- | plies ..... . . 20-22 | Tulips, Single...8-9 |
| Freesias ........ 15 | white ........ 11 | Snowdrop ...... 15 | Tulips, Double. . 10 |
| Fertilizers ..... 19 | Narcissus, Single | Scillas $\ldots$....... 15 | Vegetables and |
| Flower Seeds..16-17 <br> Hyacinths ......4-5 | and Double..11-12 | Spanish Iris..... 15 | Clovers . . . . 16-17 |



## THE CULTURE OF HYACINTHS

FOR general use the Hyacinth is one of the best hardy Spring bulbs. It is easily cultivated, blooms early in the Spring, remains a long time in flower, ranges so many rich and delicate colors that all tastes can be suited. Its delightful fragrance is enough to make it a general favorite.

Outdoor Culture-The bulbs may be planted any time from October to December. They succeed in any good, well-drained garden soil. Set the bulbs so that the tops will be 5 or 6 inches below the surface and 6 to 10 inches apart. Before very severe weather comes on, cover the beds with straw, leaves or manure, to protect them from the frost; this should be removed when danger from hard frost is past in the spring.

Pot Culture-Pot culture of Hyacinths is very fascinating. Use a light soil to fill the pots. Pot fairly firm and let the tip of the bulb just peep out of the soil. After potting water them well and then set the pots in a cool, airy place, covering the pots with ashes until the bulbs are rooted. They should remain in the dark for six weeks or more, when they can be brought to the light. A shady position is best for a few days after which they may be placed where they are to bloom. One bulb is enough for a five-inch pot, or three bulbs in a six or seven-inch pot or pan.

Hyacinths in Glasses-Fine blooms may be secured from growing Hyacinths in glasses. Only the very best bulbs should be used. Place the bulbs so that the base merely touches the water. A piece of charcoal in the water will keep it sweet. The glasses should be set in a cool, dark place until they are filled with roots, when they can be brought to the light. A temperature of 60 degrees will produce the best results. On the following pages will be found descriptions of the varieties of Hyacinths we carry.

## SELECTED FIRST SIZE EXHIBITION HYACINTHS

The varieties enumerated below have been selected for their distinct coloring and free flowering qualities, and are Selected First-size Bulbs, especially suited for growing in pots or glasses or for high-grade bedding.

## SINGLE BLUE

## DOUBLE HYACINTHS

BISMARCK - Sky blue, very broad spike, excellent for early forcing.
DR. LIEBER-Very early lavender blue, tinged violet, compact spike, extra fine new variety.
ENCHANTRESS - Porcelain tinted lilac, light center, handsome spike.
GRAND MAITRE-Deep, lavender blue; dark stem and compact truss.
JOHAN-Beautiful light blue; a very beautiful flower.
KING OF THE BLUES-Rich, dark blue; splendid spike and bells. The finest for late forcing.

## SINGLE PINK, ROSE

DE WET-A pale pink sport of Grand Maitre; splendid for bedding as well as for forcing. Forms a splendid, perfect spike of a tender color; specially recommended in either smaller or larger grades.
GIGANTEA-Very large, light pink flower; compact spike; extra fine variety.
LADY DEREY—Soft, rose; large truss and bells; fine for pot culture
MARCONI-Bright pink, broad spike, beautiful flower, highly recommended for forcing and bedding, late.
QUEEN OF THE PINKS-Bea:tiful rosy pink, extra bells, long spike.

## SINGLE RED

GERTRUDE-Light red, large attractive spike; a splendid early.
ROBERT STEIGER-Deep red; a splendid bedder.
LA VICTOIRE-We strongly recommend this variety for outdoor planting, as there is no brighter bedder, and the beauty of it is that the red color is already visible when the flower is yet in bud.

## SINGLE WHITE

ALBERTINE-Early pure white, with open petals; an extra fine hyacinth.
LINNOCENCE-Purest white; equally good for forcing or bedding.
LA GRANDESSE-The most showy white; fine bells.

## SINGLE YELLOW

KING OF THE YELHOWS-A splendid pure yellow; not early; tall and handsome spike.
YELLOW HAMMEIE-Pure yellow; beautiful neat truss.

## PRICES ON ABOVE HYACINTHS



BOUQUET ROYAI-Salmon pink, dark center.
GEN. KOHLER-Bright blue, a splendid forcer; one of the best of the double blues.
LA GRANDESSE-Pure white, fine bells and spikes. ROOSEVELT-Deep red; large bells.


L'Innocence.

## HYACINTHS

## SELECT SECOND SIZE NAMED

These second size Hyacinths will be found fine for forcing and highly recommended for those who desire extra good bulbs for bedding.

Our list of second size Hyacinths embraces the leading named sorts and are larger bulbs than those sold as mixed and are strictly true to name and color. They can be used to great advantage for a pretty effect in bedding, securing uniformity, color and height.

## SINGLE BLUE-PURPLE

BISMARCK-Sky blue, very broad spike, excellent for early forcing.
DR. LIEBER-Lavender blue; tinged violet, compact spike.
ENCHANTRESS - Porcelain tinted lilac, light center, handsome spike.
GRAND MAITRE-Deep, lavender blue; dark stem and compact truss.
JOHAN-Beautiful light blue, fine truss.
KING OF THE BLUES-Rich, dark blue; splendid spike and bells. The finest for late forcing.

## SINGLE RED

GERTRUDE-Light red, large compact truss.
LA VICTORIA-Large red, very fine spikes, extra for exhibition.

## SINGLE PINK, ROSE

DE WET-Very fine light rose, broad spike. GIGANTEA-Very large; light pink flower. Extra fine bulbs.
LADY DERBY-Soft rose; large truss and bells. A good variety for pot culture.
MARCOVi--Bright pink, broad spike, beautiful flower, highly ecommended for forcing and bedding late.
QUEEN OF THE PINKS-Beautiful rosy pink, extra bells, long spike.

## SINGLE WHITE

ALBERTINE-Early pure white, with open petals; an extra fine hyacinth.
LINNOCENCE-Purest white; equally good for forcing or bedding.
LA GRANDESSE-The most showy white; fine bells.

Price: Each, 15c; doz., $\$ 1.50 ; 100, \$ 10.50$.

## HYACINTHS FOR BEDDING



Our Bedding Hyacinths can be depended upon to turn out the kind of beds you want-full of flowers. All these bulbs are grown under the best of care and are shown in separate colo. s so that you can easily make vour selection. They are especially adapted to outdoor growing.

SINGLE

$$
\text { Doz. } 100
$$

|  |  |  |  |
| :---: | :---: | :---: | :---: |
| Rose |  | Doz. <br> $\$ 1.00$ | $\begin{aligned} & 100 \\ & \$ 7.50 \end{aligned}$ |
| Red |  | 1.00 | 7.50 |
| Light | Blue | 1.00 | 7.50 |
| Dark | Blue | 1.00 | 7.50 |
| White |  | 1.00 | 7.50 |
| DOUBLE |  |  |  |
|  |  | Doz. | 100 |
| Rose |  | . \$1.00 | \$7.50 |
| Red |  | 1.00 | 7.50 |
| Light | Blue. | 1.00 | 7.50 |
| Dark | Blue | 1.00 | 7.50 |
| Pure | White | 1.00 | 7.50 |

## HYACINTHS

## Early French Roman

A charming class of Hyacinths from the South of France, producing graceful, delicately perfumed spikes of pure white flowers. They force readily in the house. but we do not recommend them for outdoon plantins. Three bulbs can be put in a 4-in.ch, or six bulbs in a 6 -inch pan or pot, and as each bulb produces several spikes, it makes a beautiful plant for Conservatory or House Decorations.
WHITE ROMANS-Select bulbs, each, 1б̄c; per dozen, \$1.50.


## THE CULTURE OF TULIPS

Tulips do well in any good garden soil and may be planted any time during the autumn before the ground is closed by the frost. The bulbs should be placed from five to six inches apart and from three to five inches deep, varying with the soil. They are perfectly hardy and require no covering during the winter, but a light covering of leaves or manure will keep the frost from throwing them out of place. A dry, sunny position is the best.

## Beautiful Breeder Tulips

A May-flowering type, similar to the Darwins, in their tall, strong, growth. but in an entirely different range of colors, which will be appreciated by all lovers of flowers. BRONZE QUEEN-Soft golden bronze; large flower of sturdy habit. A very exquisite color when forced and splendid for the border. Height, 28 inches

Doz. 100
$\$ 0.75 \quad \$ 5.50$
DOM PEDRO-Coffee-brown, shaded maroon, inside rich mahogany; large flower; very fragrant. Height, 21 inches
FAIRY-Reddish mahogany, with bronze shading; an extra-large flower of artistic character. Splendid in borders or for late forcing. Height, 24 inches...
GOLDEN BRONZE-(24in.) Beautiful bronzy-yellow, good forcer
OLD TIMES-Dull garnet, edged primrose-yellow, with greenish base; rather long flower of somewhat pointed form. A showy breeder of English origin. Height, 24 inches..
PRINCE OF ORANGE-Dark terra-cotta-brown, shaded yellow, with a yellow base starred black. Splendid for the border and good for forcing. Height, 24 inches
PROF. SCHOTEL - - Bright greyish-violet
SUNRISE - Ruddy apricot, inside soft yellow, with black base and anthers; very striking variety. Ht., 21 inches.
.so 6.00
$.75 \quad 5.50$
$.75 \quad 5.50$
. $80 \quad 6.00$
1.00 8.00

Tulips may be planted singly in fourinch pots, five or six in six-inch pots or in double or triple rows in window boxes. They need practically no care after planting other than to be set in a cool, dark cellar and watered occasionally. When an inch or two above the ground they may be brought to the light of a cool window Plenty of time and little heat mean success, while haste and too much heat spell disaster in foreing Tulips.


## GIANT DARWIN TULIPS-The Most Beautiful of All the Tulips

Darwin Tulips are most valuable for permanent planting. For the borders among other hardy flowers; in formal gardens in conjunction with Single Early Tulips; for isolated groupings against a background of shrubs, or for combinations of delicate colors for effects of contrast in the flower garden, the Darwins stand without peer.

They are quite distinct in their style of growth from the other late-flowering sorts; stately in appearance, attaining a height of 24 to 30 inches, and bearing, on long, straight stems, beautiful globular flowers of remarkably heavy texture. Their range of color is immense, embracing almost every conceivable tint in rich and rare shades.

Doz. 100
ANTON ROOZEN-An enormous flower of a vivid rose-pink, with white base. $\because \ldots$ N. BARRONNE DELA TONNAYEclear carmine rose at the midrib, toning off to soft pink at the edges; base white
BARTIGON-Fiery crimson; a very showy variety, with white base which shows up splendidly when the flower is open. One of the earliest...
CLARA BUTT — Soft salmony pink, tinged with blush. Forces well. One that will please the most critical Tulip grower.
DREAM-It is really like a dream to see this beautiful lilac-shaded tulip
$0.75 \$ 6.00$

. 604.50
$.75 \quad 5.50$
.40 3.25
$.50 \quad 4.00$
EUROPE-A fiery scarlet with white center; an extra fine variety RANS HALS - Large bluish
violet, new, very much recommended for forcing...... . 75 6.00

FARNCOMBE SANDERS-Scarlet with center white; large broad-pleated flower of perfect shape; easily the best in its color; fine for forcing.... $\mathbf{\$ 0 . 6 0}$
GLOW-Brilliant, glowing vermilion, white and blue base. . . 60
4.50

HARRY VEITCH-A rich bloodred; very brilliant in the sunlight; with blue base; large.. .60 4.50
INGLESCOMBE YELLOW-Very glossy canary yellow........
KING HAROLD-Large flowers of dark maroon-scarlet.....
LA TULIPE NOIRE-Nearest of all to the black color........ . 60
$.60 \quad 4.50$
LENOTRE-Rose shaded blush, extra early forcing variety. MADAME KRELAGE-Bright pink, light edge; large flower.
MRS. MOON - (Fulgens maximum lutea), pure yellow, large flower
$.90 \quad 7.00$
.604 .50
W. COPELAND-Sweet lavender

PRIDE OF HAARLEMMagnificently formed flower of immense size; brilliant, deep salmonrose, shaded scarlet
PAIN TEID HADY - The finest creamy white
PRINCESS ELISABETHSoft lilac rose edges of a paler shade on clear white base

PROFESSOR RAUWEN-HOFF-Bright cherry - red, beautiful blue base; very large flower..
PSYCHE-Oldrose, edged white, inside lighter rose, base blue. Ht., 26 in....

REVEREND H. EWHANK— Vivid heliotrope - lilac, with lighter tint at margin, magnificent flower...

## MIXTURE OF

 DARWIN TU-LIPS-Special Mixture, made up by ourselves from best distinct kinds
## EARLY SINGLE-FLOWERING TULIPS SELECTED FIRST SIZE BULBS ONLY

## By parcel post, add postage at zone rate of 1 lb. per dozen bulbs

It is difficult to conceive anything more brilliant in color than a bed of Tulips. Their beautiful shadings, great variety of color and intense brilliancy makes them the great favorites for early spring flowers. Another consideration in their favor is their low cost and ease of cultivation, for anybody can grow Tulips successfully.

They are within the reach of all and should be planted by every flower lover. If it is only a few, you can brighten up some spot with them. They are perfectly hardy and need vely little protection during the winter.

But not only outside do they do well. Try your hand at forcing some of them indoors this year. If you admire flowers for the house there is no easier way to have them. On page 6 we have endeavoled to explain briefly how to grow Tulips.

The Tulips we offer are among the most perfect flowers in form, wealth of color and variety of markings. Do not be bothered with planting cheap bulbs. All you will get out of them is disappointment. Secure the very best and make sure of the results.

The letters A, B or C following the varieties indicate their earliness of bloom; those marked A flower together and are the earliest; B's follow before A's are out of bloom, etc. The figures indicate average height in inches.

## SINGLE SCARLET OR RED

AIRTUS-B. 7. Deep red, fine bold flowers, very fine for forcing and bedding........
BELLE ALLIANCE-B 11. Brilliant scarlet, yellow base; large flower. An excellent variety for early forcing and does very well for bedding also
COULEUR CARDINAL-C 12 . A bright crimson-scarlet, with a deeper tone or bloom on the outer petals. A bed planted wholly to this variety is a grand sight. Grand for midseason forcing....

Doz. 100
CRAMOISI BRILLIAN'T-C 9. Glowing scarlet, yellow base. Excellent bedder... $\$ 0.50$ \$4.00
DUSAIT-B 7. Rich deep scarlet, a grand bedder..
PRINCE OF AUS: 'TRIA - B 10. Brilliant orange-scarlet; yellow base; large and show y flower; deliciously sweet scented. Good for bedding or forcing
POTTERAKKER, SCARLET—A 9 . Good bedder.

## EARLY SINGLE-FLOWERING TULIPS

Doz.<br>100

## PINK AND ROSE

COTTAGE MAID-B 9. Rosy pink edges, shaded to white.\$0.50 \$4.00 FLAMINGO-B 12. Carminerose, shaded lighter. The petals are striped white and very crinkled, giving the flower a decidedly artistic appearance. A very popular variety among florists for forcing on account of its odd color and habit.
$.60 \quad 4.50$
IBIS-B 14. Quite the finest novelty offered by us this year. A brilliant dark pink color when grown indoors. A grand exhibition variety.....
PINK BEAUTY-C 12. Bright cherry-rose, center of petals striped white. It has no equal as a bedder, for the stem is strong and the white centre of the big, fleshy petals shows up very conspicuously against the broad, vivid rose edges. Does well in pans, but not before March.
PROSPERITY-B 12. Rose pink, splendid for early forcing and bedding

ROSE GRIS-DE-LIN-C 10. Rose
flushed and feathered creamy
white. Very fine for bedding. \$0.50 $\$ 4.00$
ROSE LUISANTE-C 10 . Brilliant deep rose-pink; large flower of great substance. Splendid for bedding or for pots and pans when forced late

## SINGLE YELLOW

CHRYSOLORA-B 10. Cle ar, golden yellow; large globular flower. Excellent for bedding.
.50
4.00

KING OF THE YELLOWSA 14. Deep golden yellow; the flowers are egg-shaped, very substantial and carried on a tall stem, which makes them excellent for cutting. One of the earliest yellows which should be much more used for early forcing......... and easiest forcers. The flowers are large and of the purest golden-yellow. Mostly used for growing in pots and pans, for which purposes it is the best yellow; a good bedder also

## SINGLE VIOLET

PRESIDENT LINCOLN -B 12. Large flower of clear magenta-violet, slightly paler in tone when grown indoors. A variety that looks well when bedded out with a pale yellow variety. Per dozen, 50c; per $100, \$ 4.00$.
WOUVERMAN - B 9 . Deep violet, fine bedder. Per dozen, 50c; per 100, \$4.00.

## "PURE AND SURE"

## Special Mixed Tulips

They are fine for bedding, as this mixture is made up of a great variation in colors and shades, which makes an effective group when massed in beds. And what is more, they are offered at a lower price than the named varieties. Per dozen, 40c; per 100, \$3.00.

## DOUBLE EARLY TULIPS

The double Tulips are very desirable for bedding purposes and while they are generally later in blooming than the single sorts, the length of time they bloom lasts much longer than those of the single early varieties.

## Doz. 100

Doz. 100

AZALEA-One of the best double pink Tulips................
COURONNE D'OR - Fine old golden-yellow color with slight orange shade, large wellformed flower of great substance and on strong stem; extra for forcing. The only popular double yellow Tulip..
LE MATADOR-A 10. Dazzling scarlet, fine for bedding and forcing
UCRETIA-Bright pink, obvious color, very large wellformed flower and if forced well, the best selling of all the doubles.
LA CANDEUR-White, g r e e n tipped, large full double flower on strong stem; extra for bedding
MURILLO-White, shading to delicate pink, large beautiful shaped flower on strong stem; a gem for forcing and bedding
IR. VAN DER HOEF-Pure golden yellow, large flower, good forcer. Sport of Murillo, extra

```
$0.90 $7.00
```

```
$0.90 $7.00
```

$\square$

PEACH IBLOSSOM-Dark rose, large beautiful shaped flower on strong stem, a gem for forcing and bedding. It is the most popular double Tulip.... $\$$
REX RUBRORUM-Fine bright scarlet, large flower; extra for forcing and splendid for bedding
RUBRA MAXIMA-A 9. One of the best scarlets, either for bedding or forcing.
$.50 \quad 4.00$

SALVATOR ROSEA-A 9. Light pink, extra
.60
4.50

SCHOONOORD-B 12. A beautiful, pure white sport of Murillo, with the same excellent forcing qualities. One of the best, if not the best white double ............................
TOURNESOL-B 9 . Red and yellow . . . . . . . . . . . . . . . . . . .
TOURNESOL-B 9. Y ellow, bright vellow, shaded orange.
TEA ROSE-B 10 . Pale yellow flushed salmon, quite a distinct shade in Tulips and a lovely color................... .... $\mathbf{4 0}$

## Double Mixed Tulips

They are fine for bedding, as this mixture is made up of a great variation in colors and shades, which makes an effective group when massed in beds. Per dozen, 50e; рет 100, $\$ 4.00$.

## Prepared Bulb Fibre

This material has become very popular for growing bulbs in, and is especially adapted for use in the home, being clean and odorless, and as it is light in weight, can be sent to a distance at small expense.
It contains all the necessary plant food for almost all kinds of bulbous plants.
Before using it should be thoroughly moistened, and the bulbs planted in the same way as if soil were used. A special feature of this material is that bulbs can be grown in it in jardinieres, fern dishes and other nonporous receptacles without drainage. In such cases it is necessary to put. a few pieces of charcoal in the bottom of each receptacle to take up ay impurities, and after watering, the jardinieres or dishes should bs turned over on their side to allow any surplus water to drain off.
Treatment after planting in this material is the same as when planted in soil.
Price, per peck........\$1.00


Couronne d'Or

## NARCISSUS-PAPER-WHITE GRANDIFLORA

## THE POPULAR LARGE-FLOWWERED BUNCH NARCISSUS FOR CHRISTMAS HLOOMING EITHER IN SOIL OR STIONES AND WATER

A very decorative class of bulbous plants for greentouse and window garden. They produce large trusses of bloom and are quite fragrant There are hardly any of the Narcissi that respond to forcing so easily and quickly, and a large number of florists have them in bloom from November until Easter. The variety Paper-White can be grown in water, with pebbles in shallow dishes or bowls.
Six bulbs to be planted in an ordi-nary-sized dish. It is advisable to start the bulbs in a dark place for four to six days. Grow cool and give plenty of water. In order to grow successions of blooms during the entire Winter, plant every two weeks. Mammoth Large Flowering Bulbs, per dozen, 7 -5c; per 100, $\$ 6.00$. First size bulbs, regular stock, per dozen, 50c; per 100, $\$ 4.00$.

## Grand Soleil d'Or

A popular yellow bunch-flowering variety of the Polyanthus type. Flowers a clear, sunny yellow, with bright orange cups. Excellent for earlv flowering indoors. Per dozen, $\$ 1.20$; per 100, $\$ 9.00$.

## CHINESE LILIES

## Joss Flower or Sacred Lily

These, like the Paper-Whites, are largely grown indoors and are excellent for forcing. They are similar to the Paper-Whites, but have a yellow cup in the center. The outer rim of the flower is white. Mammoth Bulbs only, each, 20c; per dozen, \$2.00.


Giant Paper-White Grandiffora

## BULB BOWLS FOR NARCISSUS

Earthenware bowls made of hard pottery. They are adapted for PaperWhite Narcissus and Chinese Lilies, to grow in gravel.
5 inch, 75 e each; 6 inch, $95 c$ each; 7 inch, $\$ 1.25$ each.
Gravel for bulbs. Per quart 5c. Postage extra.


Double Von Sion Narcissus

## DOUBLE NARCISSUS OR DAFFODILS

These old-fashioned daffodils are still very popular and though they lack the sturdiness of some of the single varieties as bedders, they have a delightful fragrance and are excellent for cutting, while the old Von Sion has no equal. This is the old favorite variety, so highly prized in oldfashioned gardens. Excellent for either forcing or cut flowers. If planted out of doors it can remain where planted for a number of years.
VON SION'S XXX-Extra fancy dou-ble-nosed mother bulbs. These never throw less than three flowers, often more. These are fine for pans. Per dozen, 90c: per 100, $\$ 7.50$.
VON SION SELECTED SINGLE-NOSEI HULBS-Each bulb will produce at least one fine flower and often two. Per dozen, 70c; per 100, \&゙5.00.
ORANGE PHOENIX (BACON AND EGGS - Beautiful double white flowers, with orange nectary. Splendid. for pot culture and cutting and for garden decorations. Per dozen, 75c; per 160, $\$ 6.00$.
SULPHUR OR SHLVER PHOENIXC eamy white, with pale sulphur center, considered the finest of the double sorts. Per dozen, 85c; per 100, \$6.50.

## SINGLE NARCISSUS-GIANT TRUMPET VARIETIES

BY PARCLLL POST, ALD POSTAGE A'T ZONE RATE OF 2 LBS. PER DOZEN BULBS
There aıe no hatdy buloous plants which have more points of merit than the Narcissus. Perfectly hardy, growing and doing well in almost any soil, they have a preference tor a good, deep soil, and a semi-shaded position-amongst the grass, under the trees, etc., etc., could not be used to better advantage than by filling with Narcissus. They are equally desirable for pot culture or for winter flowering. Three or four bulbs can be put into a 5 -inch or 6 -inch pan or pot and with the same treatment as given to Hyacinths. But it is outdoors that Narcissus do best, and if planted in October or November out in the open ground in a good soil, let them remain undisturbed. After Howering let the leaves die back, but do not cut them off or the bulb will not flower next year. Set 5 inches deep and 6 to 8 inches apart. The bulbous roots will multiply and send up fine long flower stems every Sping. Be sure to keep the ground moist during the growing season if season is ary. We handle only strictly selected bulbs that are sure to produce satisfactory returns.

$$
\text { Doz. } \quad 100
$$

EMPEROR-One of the largest and finest Daffodils in cultivation, pure yellow trumpet of immense size, and wide overlapping, rich primrose perianth; for bedding, naturaliz-
ing or for growing in the house it is unequaled.
Mammoth double nose bulbs. . $\$ 1.00$ \$8.00
First size, round bulbs....... . . $80 \quad 6.50$
GLORY OF SASSENHEIM-An enlarged Bi-color Victoria perianth white, trumpet golden yellow; a. very large and substantial flower.
Mammoth double nose bulbs.. 1.20 9.no
GOLDEN SPUR-A very good va iety, both perianth and trumpet being of a rich yellow color. It is of unusually robust habit and unsurpassed for garden, pots, or forcing. Mammoth double nose bulbs, per dozen, $\$ 1.00$; per 100, \$8.00. First size, roud bulbs, per dozen, G5e; per 100 , $\$ 5.00$.
KING ALFRED-Golden yellow perianth, beautifully formed, large bold flowers. Mammoth double nose bulbs, per dozen, $\$ \mathbf{\$ . 0 0}$; per 100, \$16.00.
PRINCAPS-F lowers large; perianth sulphur, an immense, rich yellow trumpet. Mammoth double nose bulbs, per dozen, 90c; per 100, $\$ 7.00$. SPRING GLORY
Clear white perianth with long petals of splendid form, long trumpet of deep yellow, well reflexing at the brim. A very vigorous grower and one of the best of the newer Dafforils for pot culture. Per dozen, $\$ 2.50$; per 100, $\$ 19.00$.

## JONQUILS

We frequently receive orders for Jonquils when the Giant Trumpet Daffodils are desired. The Jonquils belong to a distinct type of the Narcissus family.
DOUBLE JONQUIL-Douhie deep golden yellow flowers. Per dozen, 50c; per 100, \$4.00.
SINGLE JONQUIL-R ich yellow; very fragrant. Per dozen, 30c; per 100, $\$ 2.50$.
CAMPERNELLE - Large, yellow flowers, four to six on a stem; fine for fo"cing. Tom dozen, 60c; per $100, \$ 4.50$.


## MEDIUM TRUMPET NARCISSUS

This is also a very popular type or rather types of the Narcissus or Daffodil family. splendid for garden culture, in pots or pans, or in flats, for cut flowels
AUTOCRAT (INCOMPARABILIS) - Clear golden yellow; broad perianth tending to reflex, cup widely expanded at the mouth. Height 20 inches. Selected bulbs, per dozen, $\mathbf{7 5}$; per 100, $\$ 6.00$.

sprealing perianth of tharge, broadspreading perianth of soft yellow; short, yellow cup, edge bright orange-scarlet. Per dozen, 60c; per 100, \$4.50.

MRS. LANGTRY (LEEDSII)-A remarkably free-flowering variety, each bulb usually producing several flowers; broad, white periauth, and white cup opening pale primrose. Height 16 inches. Selected bulbs, per dozen, 50c; per 100 , $\$ 4.00$.

LUCDFER-Handsome white perianth, cup glowing orange red. Per dozen, 75e; per 100, \$6.00.

## POET'S NARCISSI

## Poeticus Narcissus

This class of Narcissus, instead of having a trumpet or crown, has a small, wide-mouthed cup. They are very hardy, and are used in large numbers for naturalizing.

POETICUS ORNATUS-This is the oldfashioned favorite type, with white flowers, the ciops margined with red and with rich, spicy odor. Per dozen, 50c; per 100, \$4.00.

GLORY OF LISSE - The improved Poeticus ornatus, a splendid forcer. Per dozen, 60c; рет 100, \$4.50.

## Poet's Narcissus

## CROCUS-GIANT FLOWERING

Crocuses, among the first flowers to bloom in the early Spring, are always the admiration of everyone, especially when planted amid the grass in lawns, their bright Howers producing a fine contrast. They may also be planted among other Spring-flowering bulbs, such as Tulips, Hyacinths and Narcissi, making a splendid show before the other varieties begin to bloom.
ALBION-Dark purple, striped white, extra large, fine flower. Per dozen, 30c; per 100, \$2.00.
BARON VON BRUNOW-Very large, deep rich purple. Per dozen, 30c; per 100, \$2.00.
CAESAR - Purple, fine large flowers. Per dozen, 40c; per 100. \$3.00.

KATHLEEN PARLOW-Purest white. large orange anthers, fine substance. Per dozen, 40c; per 100, \$3.00.
KING OF THE BLUES-Dark blue, large flowe ${ }^{r}$. Per dozen, 35e; per 100, \$2.50.
MAMMOTH YELLOW - Golden vellow, mammoth bulbs, free flowering. Per dozen, 40c; per 100. \$3.00.

MONT BLANC-A pure white good. Per dozen, 30c; per 100, \$2.00.
SIR WALTER SCOTT - Large white, striped with li'ac. Per dozen, 30r: per 100, \$2.00.
PALAS - White ground, light lilac spikes, orange anthers. Per dozen, 35c; ner 100, \$2.50.

CHOICE MIXTURES OF

## CROCHS

The following mixture is well adapted for bedding. natu-alising or planting in conspicuous places in lawns. The bulbs are of a somewhat smaller size than the named varieties, but may be planted quite close together. Per dozen, 30c; per 100, \$2.00.


Kathleen Parlow


Calla Lily

## LILIUM LONGIFLORUM GIGANTEUM <br> JAPANESE EASTEER LILY BEST GROWN INDOORS

Best of all lilies for indeor pot culture; bulbs planted when received can be readily brought into bloom by Easter if kept in a warm room or greenhouse. Flowes are large trumpet-shape, pure white in color and of a delicious fragrance.
Select sizc, each, 35c; per dozen, \$4.00.

## HARDY LILIES

## BULBS READY IN NOVEMBER

Best among shrubs and hardy border. Plant the bulbs 4 to 6 inches deep, putting some sand under and around the bulbs, and after covering protect with 6 or 8 inches of leaves or other litter, which must be removed in late spring.
April planting is advisable, if prevented planting the previous fall.

ALBUR-The white Speciosum, which is usually grown with Magnificum and Lilium auratum, is a very dainty Lily. Large bulbs, each, 40c; per dozen, \$4.50.
AURATUM- (The Golden Rayed Lily of Japan.) The flowers are pure white, thickly studded with crimson spots, while through the center of each petal runs a clear golden band.
Large bulbs, each, 40c; per dozen, \$4.50.
MELPOMENE-Frosted white spotted, clouded and bordered with pinkish crimson. Petals deeply recurved and widely bordered.
Large bulbs, each, 40c; per dozen, $\$ 4.50$.
SPECIOSUM RUBRUM-Petals are thickly dotted with rose or crimson spots and the graceful form and brilliant color make them verv effertive and desirable. Especially thrifty and hardy.
Large buibs, each, 4ve; per dozen, \$4.50.

## LILY BULBS

PLEASE NOTE: WE HANDLE SELECT BULBS ONLY
For color, fragrance, beauty and variety of form, nothing can equal these grand flowers; whether grown in pots or grouped in the hardy plant border, where their hardiness makes them so desirable.

## CALLA LILIES

Callas occupy a prominent place among our favorite house plants because they are so easily grown and give thorough satisfaction, even where they only receive moderate attention and nursing. For best results they should be planted in rich soil, and plenty of water during the growing period is essential to ideal development.
Large bulbs, each, 40c; per dozen, $\$ 4.50$.
Medium bulbs, each, 25c; per dozen, $\$ 2.50$.

## 20 LILIUM CANDIDUM (MADONNA LILY)

## ARRIVE IN AUGUST OR SEPTEMBER

The favorite Lily of the old-fashioned garden, produces strong, stiff stems, studded with a mass of pure, glistening white flowers, that enliven the perennial flowergarden or, for contrast with the beautiful green shrubs of the June garden, are unequaled, frequently growing $4 \frac{1}{2}$ feet high.
Plant some bulbs during September and October and enjoy a big crop of flowers next June.
Selected bulbs, each, 35c; per dozen, $\$ 4.00$.

## LILIUM LONGIFLORUM FORMOSUM

The plants are of healthy, strong growth and produce beautiful snow-white trum-pet-shaped flowers.
Selected bulbs, each, 35c; per dozen, \$4.00.


Hardy Lilies

## AMARYLLIS

The Amaryllis is preeminently a window gaiden plant for the amateur, producing under the simplest conditions one, two and even three spikes, two feet or more high.

HYBRIDS - Flowers of largest size composed of b r o a d, wellrounded, over-lapping petals; gigantic blooms of the most perfect form, ranging in color from pure white rose, red and crimson to the richest self colors as scarlet. Each, 75 E.

BELLADONNA-A beautiful rose pink fine flower. Each, 50c.

## IMPROVED FREESIAS

Procure the bulbs as early as possible, and plant them in successive batches from August to October. The soil should be a mixture of loam, to which must be added leaf-mold and sand.
IMPROVED PURITY-The finest and purest white variety yet introduced. PURITY WHITE-Extra large bulbs, per dozen, 50c; per $100, \$ 4.00$.

## COLORED FREESIAS

These beautiful novelties are rapidly winning favor on account of their lovely and unique colorings, viz.: shades of pink, purple, violet, yellow and mixed colors. Per dozen, 50c.


Freesias

IXIAS
The Ixia is a beautiful little winter-flowering bulb, with long, slender, graceful spikes of bloom. The colors are rich, varied and beautiful.
Mixed Colors, 30c per doz.; $\$ 2.00$ per 100 . MUSCARI (GRAPE HYACINTH)
Beautiful little flowers for planting in masses either in shade or sun. Once planted, they multiply rapidly and send up flower stems by the score each year.

- BLUE-Pretty little spikes of dark blue flowers; an old garden favorite, used largely for small beds, edging, etc. Per dozen, 50c; per 100, \$3.50.


## OXALIS

Most of these Oxalis flower from October until Christmas, and later. Easily grown.
BERMUDA BUTTERCUP-Yellow, per dozen, J0c: Pink, per dozen, 50c.

## SPANISH IRIS

These exquisite and dainty flowers may be justly termed the "poor man's orchid," as the colorings and markings are scarcely surpassed by that noble genus. The flowe's are exceedingly graceful, of large size, frequently 4 to 5 inches across, and are borne on stems 24 inches tall.
Plant bulbs 3 to 4 inches deep, and the same distance apart.

ROYAL BLIE.

| Doz. | 100 |
| ---: | ---: |
| $\$ 0.60$ | $\$ 4.75$ |
| $\mathbf{6 0}$ | 4.75 |
| $\mathbf{. 6 0}$ | $\mathbf{4 . 7 5}$ |
| $\mathbf{. 6 0}$ | $\mathbf{4 . 7 5}$ |

CAJANTS-Rinh golden vellow.. 60 4.75
KING OF TIIEBLUES-Dk. blue . 60 4.75
BFITISH QUEEN-Pure white..

## SCILLAS (Blue Bells)

SIBIRICA-Bright blue, nothing more beautiful for edgings or pots in early spring, flowering with the Snowdrop. fleight, 4 inches. Per dozen, 50c; per 100, S93.50.
CAMPANULATA-Large bells, clear blue, very erect in habit ( 15 inches). Per dozen, 40c; per 100, \$3.00.

## SNOWDROPS

In the early spring months there is nothing more beautiful than a sheet of the snowy, graceful blossoms of the Snowdrop. Per dozen, 35e; per 100. \$2.50.

## HERBACEOUS PEONIES

Roots Ready in October
The old-fashioned Paeony officinalis of our grandmother's garden, while still popular because of their early flowering, have been eclipsed by the wonderful improved sorts introduced in recent years. They are the "Queen of Spring. Flowers," and are well adapted for massing in beds. and particularly valuable for planting in groups thioughout the
 perennial or shrubbery border where their brilliant hues add attraction to all around. Their requirements are so simple-a good, rich, deep soil, and an open, sunny position.

Each Doz.

## DUCHESSE D'ORLEANS

- A deep pink, bearing
fine flowe s; one of the best keepers.
$\$ 0.50$
$\$ 5.50$
EDULIS SUPERRABeautiful deep-rose pink, large and of good form; fragrant flowers, a fine variety.


## FESTIVA MAXIMA-

 Very large, pure-white flowers; tall and vigorous stalks, early.606.50

QUEEN VICTORI!-A strong-growing pure white variety with creamy-white center.
FELIX CROUSE-Rich ruby red; bomb type; fragrant; midseason;
blooms freely
.90
FLOWER SEEDS FOR AUTUMN SOWING

Pkt. $1 / 4 \mathrm{Oz}$.

AN'THRRHINUM, Giant Flower-ing-
Grolden King-Giant yellow . . .\$0.10 $\$ \mathbf{\$ 0 . 4 0}$
Rose Queen-Soft pink
Striped
Garnet
Venus-Delicate pink
.10
. . . . . . . . . 10

Weria-White
Purple King.
Mixed
.10

ANTIRIRHINUM NANUM GRAN-
DI-FLORUM-Finest strain.
Carmine Queen-Brilliant, rose
Empress-Rich velvety crimson.
.10

Fawn-Terra cotta pink
.10
Golden Queen-Clear yellow
Purity-Pure white
.10
Silver Pink (Wallers)-Pearly pink self
Mixed, named varieties
DAISY-
Bellis Rose
.10
Bellis White
.10
Bellis Double Mixerl
.10
Shasta . . . . . . . . . . . . . . . . . . . . 10
AQUILEGIA-
Californica Hybrids-Exquisite flowers. in yellow and orange shades, all with low spurs. Price: Pkt., 10c.
Long-Spurred Hybrids-This beautiful strain of Columbines comprises new and pleasing shades and combinations, ranging through all the shades of lavender, blue, mauve, white, yellow, orange, scarlet and bright rose-pink. The plants are perfectly hardy. Price: Pkt., $10 c$.
CALENDULA-
Pkt. $\quad 1 / 4 \mathrm{Oz}$.
Oranse King-Deep orange... $\$ 0.10 \quad \$ 0.75$
Prince of Orange-Golden yellow

- Giant Prize - Semi-Dwf., Extr. Price: Pkt., 20c.
$\begin{array}{llrr}\text { DIANTHUS- } & \text { Pkt. } & 1 / 4 \mathrm{Oz} \\ \text { Plumarius Simgle Mixed. . . . } \$ 0.10 & \$ 0.25 \\ \text { Plumarius Domble Mixed..... }\end{array}$

DELPHINIUM-
Belladonna-Ligh
blue
Pkt. $1 / 4 \mathrm{Oz}$
lect . . . . . .................... $\$ 0.15 \quad \$ 0.75$ $\begin{array}{llll}\text { Bellamosum- Dark blue .... } \\ \text { St. L. S. Co.'s New Hybrids . . } & .10 & \mathbf{. 5 0}\end{array}$


Delphinium

## FLOWER SEEDS FOR AUTUMN SOWING

## GAILLARDIA

Grandiflora Compacta. Pkt.. 10e; 1/4 oz., 25e.
Grandifiora - Oculata - Extra. Pkt., 10c; 1/4 oz., 25e.
GYPSOPHILA.
Gr. Fl. Elegans white. Pkt., 10c; 1/4 oz., 20c.
Gr. Fl. Elegans Rose. Pkt., 10c; 1/4 oz., 20c.
Paniculata Single. Pkt., 10e; 1/4 oz., 20c.
HOLLYHOCK
Charters Double Crimson. Pkt., 10c: $1 / 4$ oz., 35e.
Double Rose. Pkt., 10c; $1 / 4$ oz., $35 c$.
Double White. Pkt., 10c; $1 / 4$ oz., 35c.
Double Light Pink. Pkt., 10c; $1 / 4$ oz., 35.
Double Sulp. Yellow. Pkt. 10c; $1 / 4$ oz., 35c.
Double Maroon. Pkt., 10c; $1 / 4$ oz., 35c.
Double Mixed. Pkt., 10c; 1/4 oz., $35 c$.
LUPINUS
Perennial Mixed. Pkt., 10c.
ST. L. S. CO. GIANT PANSIES. St. L. S. Co.'s "Nonpareil" Mix-ture-This is certainly one of the grandest collections of the rarest and most beautiful varieties of Pansies. There is no end to the countless shades of color with which nature has endowed this mixture. The flowers are of a large size and the plants grow more compactly bushy than other mixtures. Pkt., 20c; 1/4 oz., \$2.00.
Imperial Giant, Mixed-They embrace all the solid or selfcolors. Pkt., 17e; $1 / 4$ oz., $\$ 1.25$.
Masterpiece - Th is g r a $\mathrm{n} d$ giant Pansy is remarkable in having the borders of the petals waved or frilled, which gives the flower an almost double appearance; the type is altogether novel and distinct. Fkt., 15c; $1 / 4$ oz., $\$ 1.25$.


CASSIER'S GIAN'T BLOTCHED-Mixed.
Pkt., 20c; $1 / 4$ oz., $\$ 1.50$
BUGNOT'S GIAN'T BLOTCHED-Mixed.
Pkt., 15c; $1 / 4$ oz., $\$ 1.25$

SWEET WHLLIAM
Scarlet Beauty.
Holburn Glory. White.
Single Mixed.
Double Mixed

Pkt., 10c; $1 / 4$ oz., 35: Pkt., 10e; $1 / 4$ oz., 35e Pkt., 10c; $1 / 4$ oz., 35e Pkt., Јe; $1 / 4$ oz., 20c Pkt., $10 c$; $1 / 4$ оz., 25 е.

## EARLY or WINTER-FLOWERING SPENCER SWEET PEAS

AMETHYST-A fine royal purple, long stems. Pkt., 15c; 1 oz., $75 c$.
ASTA OHN-Identical in color and size of blossom to the late flowering Asta Ohn; a fine lavender. Pkt., 15c; 1 oz., $75 c$.
IVIATOR-This is the most brilliant Sweet Pea yet introduced. A true early, everblooming type, of robust habit. The color may best be described as a glowing poppy scarlet. Pkt., 15e; 1 oz., $75 c$.
IBANCHE FERRY SPENCER-Bright rose, the wings being pinkish or bluish-white. Pkt., 15e; 1 oz., 60c.
WARLY NEVV BLUE-A free flowering early deep blue, very fine, of robust habit, long stems. Pkt., zic; 1 oz., \$2.00.
HARLY FLAMBEAU (New)-A pure orange slightly tinged with cerise; very large, free flowering. Will not burn. Pkt., 25c; 1 oz., \$2.00.
FIIR MAID-This is the finest bluish pink Early Spencer Sweet Pea to date. It is the result of a cross with Elfrida Pearson. Pkt., 15c; 1 oz., 75е.
GLITTERS (Early Royal Scot)-Standard bright fiery orange; wings deep orange. Pkit., 15e; 1 oz., 7 se.
HELEN LEWVIS-Very fine, salmon pink. Pkt., 15c; 1 oz., 60c.
HARMONY-An exceptionally choice clear lavender; very large fiower. Pkt.. 15e: 1 өд.. 75 c .

HEATHER BELI-Flowers large. Color, a rich mauve lavender. Pkt., 15e; 1 oz., 7'se.
MADONNA-Finest large white, free bloomer with long stems, beautifully waved, black seed. Pkt., 15c; 1 oz., 75 .
MELODY-A deep shade of rose-pink. Closely resembling the late flowering "Countless Spencer." Pkt., 15e; 1 om., $75 c$.
MRS. A. A. SKACH-Flowers very bright shell pink. Fine for late sowing. Pkt., 15e; 1 oz., 75c.
ROSE QUEEN-One of the choicest varieties. The flowers are borne on long stems, are of large size and free bloomers. Pkt., 15e; 1 oz., 75e.
SNOWSTORM-This is by far the finest of all white winter flowering varietios. Pkt., 1.6e; 1 oz., 75e.
VENUS-Standard white; slightly blushed pink; wings white; free bloomer. Pkt., 1.7e; 1 oz., 60c.

YARRAWA-Flowers exquisitely waved, of large size. Color, a pleasing shade of bright rose pink. Pkt., 15e; 1 oz., 60c.
ZVOLANEK BLUE-Of the blue jay color, considered one of the very best blues. Pkt., 15e: 1 oz.. G0c.
ZVOLANEK IROSE-This is the very best commercial variety to date. Pkt., 20c: 1 oz.. \$1.00.

## SEEDS FOR AUTUMN PLANTING

## ENDIVE

GREEN CURLED-Ornamental curled leaves of dark green color. Blanches white and crisp. This is the standard variety and most widely planted. Price: Pkt., 10c; oz., 25e; 1/4 1b., 75е; 1b., \$2.00.
BROAD-LEAVED or ESCAROLLE-Broad, thick ribs, with slightly wrinkled leaves. This is the best broad-leaved variety. Price: Pkt., 10c; oz., 25e; $1 / 4$ lb., 75e; 1b., $\$ 2.00$.

## KALE

DWARE GERMAN GREEN HOME GROWN (for Fall)-Largely grown for supplying "greens" during the Fall, Winter and Spring. The plants are hardy; frost improves the quality. The leaves are very large, deeply curled and fringed, and of that desi able rich bright green color. Price: Pkt., 5e; oz., $10 c ; 1 / 4 \mathrm{lb.}, \mathrm{z5e;} 1 \mathrm{lb}$. , 75 c.

## LETTUCE

GRAND RAPIDS-Especially adapted for early family use. A loose-headed Lettuce of pleasing appearance and remarkable table merit. Price: Iskt, 10c; oz., 25e; $1 / 4$ 1b., 75c; $111 \mathrm{b.}, \mathrm{\$ 2.00}$.
ST. L. S. CO.'S BLACK SEEDED FORCING -The favorite of gardeners who grow for the St. Louis market, where there is always a big demand for this popular variety. Price: Pkt., 10c; oz., 25c; $1 / 4 \mathrm{lb} .$, 75c; 1 1b., \$2.00.
ST. L. S. CO.'S BIG BOSTON-This grand variety has proved to be most valuable and is now being more extensively grown for market and private use than any lettuce. Price: Pkt., 10c; oz., 25e; $1 / 4$ 1b., 75c; 1 1b., \$2.00.

## SPINACH

BLOOMSDALE, or SAVOY-This is by far the most popular Spinach among the gardeners and is the best Spring and Fall Spinach ever offered. It quickly grows into a fine, large crop and a crop of this variety outweighs any other variety. Price: Pkt., 5e; oz., 10e; $1 / 4$ 1b., 20c; $1 \mathrm{lb}$. , 50c; 10 libs.. \$2.00.
LONG SEASON-Leaves round and curled. Produces large, round, thick, dark green leaves. Price: Pkt., 5c; oz., 10c; $1 / 4 \mathrm{lb}$. , 20c; 1 1b., 50c; 10 1bs., \$2.00.

## RADISH

EARLY SCARLET TURNIP WHETE TIP—— A very handsome and attractive Radish of a rich, carmine scarlet color and tipped white. It is invaluable for forcing or for open in ground. Price: Pkt., 5c; oz., 10c; $1 / 4$ 1b., 25c; 1 1b., $60 c$.

EARLY SCARLET GLOBE—The interior of the root is pure white, mild, crisp and fine grained. Price: Pkt., 5c; oz., 15e; $1 / 4$ lb., soc; 1 1b., 75 c .

## WINTER VARIETIES

ROUND BLACK SPANISH-The roots are round, sometimes slightly top shaped, three or four inches in diameter. The skin is almost black. Price: Pkt., 5e; oz., 10c; $1 / 4$ lb., 25c; 1 1b., $75 c$.
LONG BLACK SPANISH-One of the best for winter use. Price: Pkt., 5c; oz., 10e; $1 / 41 \mathrm{~b} ., 25 \mathrm{c}$; $11 \mathrm{lb.} 75 c.$,
WHITE SPANISH-Very solid and tender. The best white Radish for late Fall planting; largely used by our market gardeners. Price: Pkt., 5c; oz., 10c; 1/4 lb., 23c; 1 1b.0 75 c .
ROSE COLORED CHINA-Root long, of a fine scarlet color. Extremely solid and a most excellent keeping variety. Price: Pkt., Јc; oz., 10c; $1 / 4$ 1b., 25c; 1 1b., 75c.

## TURNIP

One ounce will sow 200 feet of drill, one to two pounds for an acre.
PURPLE TOP WHITE GLOBE-This excellent table variety is globular in shape, of good size and very attractive appearance. The roots are large, purple or dark red above ground, white below. Price: Pkt., 5e; oz., 10c; $1 / 4 \mathrm{lb.}, \mathrm{20c} ; 1 \mathrm{lb.}$, 50c; 10 lbs., \$4.50.
PURPLE TOP FLAT STRAP LEAF-A very early strap leaved variety, very extensively used for the table. The leaves are few, entire, upright in growth. Price: Pkt., Jc; 1 oz., 10c; $1 / 4$ lb., 20c; 1 1b., ธ0c.

## ASPARAGUS ROOTS

(Ready October 15th)
Culture-The demand for Asparagus as an early Spring vegetable is becoming quite popular. An Asparagus bed intended for family use can be quickly established by the planting of roots, which should be set out in the Spring or Fall. Dig a trench about 2 feet deep and $11 / 2$ feet wide, and fill in to about one foot from the surface with well-rotted manure. On this put about six inches of good garden soil and lay the roots 18 inches apart, then fill up, leaving the crown about 4 inches below the surface. Asparagus should not be cut until the second year. Extra-choice Two-year Roots Doz. 8 Doz .
COLUMBIAN MAMMOTH. . . .\$0.25 \$1.75 PALMETTO . . . . . . . . . . . . . . . . . .25 1.75 (By Parcel Post, add be Doz. Postage)

## SEASONABLE FARM SEED

Prices f. 6. b. Boat or Railroad, and are subject to market changes

ALFALFA CLOVER (Faney)-The King of Forage Plants-Alfalfa is the cornerstone upon which is being built the prosperity of wide areas of our agricultural country-with its never-failing three and four crops of from five to six tons per acre. Price: Lb., 35c; 5 lbs., $\$ 1.60 ; 25$ lbs., $\$ 6.75$; 100 1bs., $\$ 25.50$.
ALSIKE CLOVER-It will do better on moist land than any other variety of Clover, and is suitable for either hay or pasture. Price: Lb., 35e; 5 lbs., $\$ 1.50$; 100 1bs., \$20.00.
RED CLOVER-Our strictly "Fancy Recleaned" grade cannot be surpassed by anyone. Price: Lb., 35c; 5 lbs., $\$ 1.60$; 100 lbs., \$26.50.
RED TOP-A very hardy perennial grass, succeeding best on moist land. It accommodates itself to a variety of soils, however, even to quite dry situations, and stands our hot climate admirably. Fancy or solid seed. Price: Lb., 35e; 5 lbs., \$1.50; 25 lbs., $\$ 6.00$; 100 lbs., $\$ 21.00$.

## CHOICE RYE

Our seed is a fine, clean, heavy yielding strain. Price: 100 lbs., $\$ 2.75$.

## SEEED OATS

TEXAS RUSTPROOF-The ideal Rust Proof variety, grown extensively throughout the South. Price: Bu., \$1.05.
WINTER TURF OATS-Sow in October or early November. Can be relied upon to furnish the finest of green pasture all Winter through and a good crop of grain the next Spring. Price: Bu., \$2.25.
THMOTHY- ( 45 lbs . per bu.)-The best of all grasses for hay. It should be cut when in blossom, in June or July. Price: Lk., 25c; 5 lbs., $85 c$; 100 lbs., \$11.50.
ORCHARD GRASS (Rough Cock's Foot)A rather coarse perennial grass that forms dense tufts. Flourishes best in the shade. Price: Lb., 40c; 5 lbs., $\$ 1.75$; 25 lbs., $\$ 6.00 ; 100$ lbs., $\$ 20.00$.

## ST. LOUIS SEED CO. HAVALAWN GRASS SEED <br> Especially Adapted to This Locality and Will Insure a Fine Velvety Lawn EVERY PACKAGE BEARS OUR GREEN LABEL <br> HAVALAWN MIXTURE

Mixed of Selected Grasses. Free from Weeds. Highest Percentage of Germination
To insure a perfect lawn, there are several requisites: A good depth of rich soil, properly drained; a liberal dressing of good fertilizer; a firm, smooth surface upon which to sow the seed and Havalawn Grass Seed. The latter item is of the greatest importance.

Havalawn is a mixture of the hardiest grasses that enter into any grass seed mixture. Havalawn insures a steady succession of growth-there will be no break in the richness of the verdure from Spring until Winter.

Its success has best proved its quality. Havalawn is the one perfect lawn seed. Havalawn provides that velvety, smooth, green lawn that wins the admiration of all who see it, for it is mixed from the seeds that produce the best lawns.
Every package of Havalawn bears our green label. There is none genuine without it. Price: Lb., $50 \mathrm{c} ; \mathbf{3}$ lbs., $\mathbf{\$ 1 . 4 5} ; 10$ lbs., $\$ 4.50$.

## FANCY KENTUCKY BLUEGRASS

This famous grass is well known in all sections. It generally grows well on any stiff or loamy soil, fertile and well drained, in Central and Northern States. Kentucky Blue Grass is at its best in the Spring and Fall months, but being rather sensitive to heat, does not grow luxuriantly during the Summer. It takes a considerable time to get a good stand of this, as it grows very slowly at the start, but when once established, forms a close, compact turf, making a fine lawn. Price: 1 1b., 50c; $\$ 1 \mathrm{bs} ., \$ 1.45$; 10 1bs., $\$ 4.50$.

## ENGLISH RYE GRASS

It grows rapidly and makes a good showing within month from time of sowing. Valuable for planting early on dry hillside. Price: Lb., 30c; 3 lbs., 85c; 10 lbs., $\$ 2.50$.

## WHITE OR DUTCH CLOVER

A low, close-growing Clover; round, white heads, very fragrant. Very desirable for beautifying the lawn. It will stand close cutting and very rapidly throws up an abundance of leaves and blossoms. It is usually better to sow with other grasses. Does well on most any soil. Price: $1 / 2$ lb., 50c; 1 lb., 90c; 5 lbs., \$4.25.

## CANADIAN BLUE GRASS

Resembles somewhat the Kentucky Blue Girass, but is not of so good quality. It is giown very extensively in Canada and some parts of the United States. Price: Lb., 40c: 3 lbs., $\$ 1.15 ; 10$ lbs., $\$ 3.50$.

## FERTILIZERS

BONE MEAL-For top dressing for lawns, pastures and meadows; also for use in the vineyard and about fruit trees and bushes. It carries ammonia and phosphoric acid. Use 400 to 600 lbs. per acre. Price: 10 lbs., 65c; 25 lbs., $\$ 1.50$; 50 lbs. $\$ 2.50 ; 125$ lbs., $\$ 5.00$.
HUMUS-An excellent article to incorporate with poor soil in the garden, greenhouse or in potting plants. When used in garden work, the ground should be covered with $1 / 2$ to 2 inches of Humus and spaded in. For lawns cover $1 / 2$ inch thick. Price: 50 lbs., 90c; 160 lbs., $\$ 1.50$. HYDRATED LIME-Hydrated lime used for top dressing on lawns and mixing soil for potting plants. 50 lbs. to cover 1000 square feet. Price: 10 lbs., 35c; 50-1b. bags, 90c.
NITRATE OF SODA-Carries nothing but nitrogen (ammonia)-no phosphoric acid or potash. It is highly stimulating. On grass or other vegetation it is visible in a few days after application. Price: Lb., 15e; 10 lbs., $\$ 1.00 ; 50$ lbs., $\$ 3.50$.
PULVERIZED LIMESTONE-As a cropproducer, we hardly believe it has an equal. It is made from the purest crystalline white limestone obtainable. Bags of 100 lbs. , $\$ 1.50 ; 1 / 2$ ton, $\$ 12.50$.

PULVERIZED SHEEP MANURE-AS a top dressing for lawns there is nothing better. Promotes a steady and rapid growth in the vegetable garden. For garden and field crops, 1 to 2 tons per acre-Fall or early Spring.
For New Lawns, use 100 lbs. to 1000 square feet.
For Old Lawns, as a top dressing, use 50 lbs. to 1000 square feet.
For Flower Beds and Vegetable Gardens, before planting, use 50 lbs . to 500 square feet.
For Mixing Potting Soil, use 1 qt. to 20 qts. of earth.
Price: $\overline{5}$ lhs., 30c; 10 lbs., 50c; 25 lbs., $\$ 1.00$; 50 lbs., $\$ 1.60 ; 100$ lbs., $\$ 2.75$.

PLANT JOY-It will make weak plants strong and make healthy plants have brighter flowers and prolong the period of blooming. Price: Small size, 25e; large size, 50c.
S'FiM-U-PLAN'T Tablets are packed in three sizes: Small size, 25e, containing 30 tablets; medium size. $\mathbf{7 5}$; containing 100 tablets; large size, \$3.50, containing 1,000 tablets.

## COMPRESSED AIR SPRAYERS

PERFECTION SPRAYER that is riveted. An extra strong sprayer. The automatic shut-off nozzle is built for high pressure work. Four gal. capacity. Price: Galvanized, $\$ 6.50 ;$ Brass, $\$ 9.50$.
BROWN'S AUTO SPRAY-Consists of a solution tank, holding about 4 gallons. The tank is made of galvanized steel or heavy brass. Two pumpings will discharge the contents. Price: No. 1-D, Galvanized, \$6.50; No. $\mathbf{1 - R}$, Brass, $\mathbf{\$ 9 . 5 0}$. Shipping weight, 11 lbs. By mail, add postage.

JUNIOR PERFECTION-A small compressed air sprayer of the "Perfection" type. The capacity is $2 \frac{1}{2}$ gal. Price: \$4.75; postpaid, \$5.00.

## DEMING'S PERFECT SUCCESS

Has brass ball air chamber to cushion the stream, giving it uniform pressure. Can be fastened to bucket and entire outflt carried from place to place. Comes with 4 feet $3 / 8$-inch discharge hose and Bordeaux nozzle. Shipping weight, 12 lbs Price: $\$ \mathbf{8} .00$; by mail, add postage.

# FALL AND WINTER NECESSITIES FOR THE POULTRY YARD 



## MIOE'S OAT SPROUTER


#### Abstract

Made entirely of metal. Strong and rigid. Provides the very necessary green feed at all seasons. Healthy chickens and more eggs.

The fiame is of steel, well braced and neatly painted. Has six heavy galvanized iron pans. Five of the pans have perforated bottoms to secure the proper drainage, and the bottom pan is solid to hold the drippings. Pans are interchangeable. Sectional frame can be quickly taken apart and stored in a small space.

Total height of frame, 3 ft . Size of pans, 16 in . by 18 in . Packed knocked down, 1 in a crate. Shipping weight, 30 lbs. Cannot be mailed.


No. 110-Moe's Oat Sprouter.
Each \$6.00

## THE COLLINS SPROUTER

Green feed is as necessary as grain for winter eggs. Sprouted oats makes the lowest priced, highest grade succulent feed obtainable. One cannot expect an abundant supply of winter eggs without feeding green feed.

Collins Oat Sprouters are made of galvanized steel and will last a lifetime. The pans fit one into the other and do not take up much room. No foul smelling coal oil lamp necessary; simply place the sprouter in a warm room and water the oats.

Made in three sizes.


By mail, add postage.



Grit and Shell Box No.

## GRIT AND SHELL BOXES

The feeding of grit, ground shells, and charcoal is now recognized as an essential part of the diet, to keep fowls in healthy, prime condition. There is no more economical method of supplying grit, etc., than with these practical, inexpensive compartment boxes. No solder used in their construction.

Can also be used as feed hoppers for little chicks.
Made of heavy galvanized iron in three sizes. The No. 45 for baby chicks has a sciuare bottom, the other sizes have round bottoms.

| Compartments | Shipping Weight | Each |
| :---: | :---: | :---: |
| Two | 2 lbs . | \$0.40 |
| Three | 3 lbs. | . 90 |
| Four | 4 1bs. | 1.25 |

By mail, add postage.


Length of hopper, 35 in . Width, 21 in . Height, $181 / 2 \mathrm{in}$. Capacity, 100 lbs.
Height of stand, $151 / 2 \mathrm{in}$. Total height, $341 / 2 \mathrm{in}$. Shipping weight, 40 lbs .
No. 3-Hopper and Stand complete. Price, each.

## DRY MASH HOPPERS

A Dry Mash Hopper of great merit, made of heavy galvanized iron. All parts accurately stamped with dies. The carved bottom keeps the feed within easy reach of the birds, and the taper shape of the hopper-larger at bottom-prevents the feed from clogging.

The wire grid and the wires running from the flange through the wire grid prevent the fowls from throwing out or wasting the feed.

The sloping top prevents them from roosting on the hopper.

When both covers are closed it is rat, mouse and weather proof.

Made in four sizes.


## MOE'S INSULATED DOUBLE WALL FOUNTAINS

Made of best quality galvanized iron, with double walls packed with an efficient insulating material.

Keeps the water warm in winter, and cool in summer. Has a large filler opening so it can be easily cleaned, which is a very important feature, and one that is lacking in most insulated wall fountains.

Easy to fill, easy to clean, and feeds the water automatically. An excellent winter fountain, and equally good in summer to keep the water cool and fresh.

The wrought iron stand or rest is hinged, and acts as a handle to carry the fountain.

Plenty of fresh water at the right temperature, in zero or torrid weather will keep your birds healthy and increase the egg yield.

Shipping weight, 16 lbs. Capacity, 3 gallon. Packed one in a box.
No. s-Moe's Insulated Wall Fountain. Each, \$4.00 By mail, add postage.

## MOE'S WINTER FOUNTAIN

A. simple and reliable fountain with heater. Made of heavy galvanized iron, easily filled, with nothing about it to get out of order.

The fountain has a capacity of 5 gallons; and the lamp holds sufficient kerosene to burn continuously for one week.

The fountain can be removed from the heater and used independently when desired.

Packed one in a box. Shipping weight, 11 lbs., complete. Heater can be used under any fountain.
No. $\boldsymbol{7 5}$ —Winter Fountain. Each. . . . . . . . . . . . . . . . . . . . . . $\$ 3.85$
Heater only, shipping weight, 5 lbs.
$\begin{array}{r}\$ 3.85 \\ \hline .90\end{array}$
By mail, add Postage.


## TOP FILL FOUNTAIN

Fill in the morning and your chickens have an all day's supply of pure water at just the right temperature.

The double wall keeps water cool in summer and retards freezing in winter. No valves to get out of order. Thoroughly sanitary and as easily cleaned as an ordinary pail. Does away with slopping over when being filled. Can be hung out of the litter and the square pan prevents spilling at that time. The square pan also affords drinking facilities for two pens at the same time. Fills from the top.
No. 1-1-gallon capacity, shipping weight, 4
lbs. Each........................................ $\$ 1.75$
No. 2-2-gallon capacity, shipping weight, 7
los. Each........................................... 玉.50 No. 4-4-gallon capacity, shipping weight, 9
lbs. Each.
3.25

By mail, add postage.

## MOE'S ALUMINUM LEG BANDS <br> MOE'S <br> 

Made of sheet aluminum, with large raised numbers, easy to read from a distance. Adjustable for any size fowl. Accurately made and quickly applied. Packed in paper cartons of $12,25,50$ and 100 bands each. Numbered from one up.



Spiralet Les Bands-Mark your hens and pullets differently. Know what you are doing. Spiralet bands are made of seasoned celluloid. last a lifetime. Slip on like a key ring. Birds cannot lose them. Light as a feather. Will not fade. Colors: Black, white, dark blue, pink, light blue, red, green, yellow, purple.

| , | 12 | 25 | 50 | 100 |
| :---: | :---: | :---: | :---: | :---: |
| Baby chicks | . $\$ 0.10$ | \$0.20 | \$0.35 | \$0.60 |
| Pigeons | . 10 | . 20 | . 40 | . 65 |
| Mediterranean | . 15 | . 25 | . 40 | . 75 |
| American | . 15 | . 25 | . 45 | .85 |

## BIRD CAGES



Japanned Cage of excellent quality at a low price. No. $241-71 / 2 \times 71 / 2$ in... $\$ 2.00$ No. 242-8 88 in... 2.25 No. $243-85 / 8 \times 85 / 8$ in... 2.60 No. 244- $91 / 4 \times 91 / 4$ in... 2.85 By mail add 25 c for packing and postage.

An excellent brass cage with wire guards to prevent birds from throwing seed and gravel on the floor. No. Size Each 2471- $91 / 2 \times 61 / 2$ in.. $\$ 4.25$ 2472- $101 / 8 \times 71 / 8$ in.. 4.75 2473- $10^{3 / 4} \times 73 / 4$ in. . 5.25 2474-113/8x83/8 in.. 5.75 By mail add 25 c for postage and packing.


No. 2471


No. 2525

A round brass cage that can be used on a stand or set on a table, a beautiful cage.
No. Diameter Each $\mathbf{2 5 2 5}-101 / 4$ inches.. $\$ 4.50$ 2526-11 inches. . 5.00 2527-113/4 inches. . 5.50 By mail add 30 c for postage and packing.


A low priced brass cage made of the same excellent material and high class workmanship as the higher priced cages.
No. 470-9 96 in.. \$2. 90
No. $471-91 / 2 \times 61 / 2$ in. . 3.15
No. $472-101 / 8 \times 71 / 8$ in.. 3.80
No. $473-103 / 4 \times 7 \frac{3}{4}$ in. . 4.60 By mail add 25 c for postage and packing.

A strong, well-made cage with screen guard and zinc drawpin bottom.
No. Size Each $2572 \mathrm{M}-101 / 8 \times 71 / 8$ in. $\$ 8.00$ $\mathbf{2 5 7 3 M}-103 / 4 \times 73 / 4$ in. 7.75 $2574 \mathrm{M}-113 / 8 \times 83 / 8$ in. 8.50 2575M-12x9 in..... 9.00
By mail add 35 c for


No. 2572-M postage and packing.

The following cages are same as the preceding cages, but do not have the zinc drawpan botton,

No. $\mathbf{2 5 7 2 - 1 0 1 / 8 \times 7 1 / 8}$ inches............ $\$ 4.75$
No. 2583- $103 / 4 \times 73 / 4$ inches . . . . . . . . . . 5.25
No. $\mathbf{2 5 5 4}-113 / 8 \times 83 / 8$ inches........... . 5.75 By mail add 35 c for postage and packing.

## BREEDING CAGES

Japanned cages with solid and wire partitions, metal drawer and closed back. Comes complete with four glass cups, six perches and two nests. These cages are all metal and are absolutely vermin proof.

|  | Long | Wide |  | High |  | Price |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No. 86-S | 171/4 inches | $83 / 4$ | inches | 14 | inches. | \$5.00 |
| No. 86 | $191 / 2$ inches | 10 | inches | $143 / 4$ | inches | 5.75 |
| No. 87 | 22 inches | 11 | inches | $161 / 4$ | inches | 6.50 |
| No. 88 | $241 / 2$ inches | $121 / 2$ | inches | 17 | inches. | 7.25 |
|  | By mai | d | for | ge | nd pa |  |

## BIRD SUPPLIES

Cage Brackets and Springs


No. 224 -Nickeled 8-inch. 15e each; postpaid . .........................................
No. 3710-B-Brass 10 -inch. 25e each; postpaid . . . . . . . . . . . . . . . . . . . . . . . . . . 27 e
No. 3712-B-Brass 12 -inch. 35e each; postpaid . ......................................
No. 3710-1 --Oxidized 10 -inch. 25e each;
postpaid . . . . . . . . . . . . . . . . . . . . 27 e
No. 3712-D-Oxidized 12 -inch. 35e each; postpaid . ........................................... 37 c
Cage Springs-Single heavy. 25e each; postpaid
$27 c$
Cage Springs-Double heavy. 2se each; postpaid
$27 c$
Bird Nests-15e each; postpaid .17e

## CAGE ACCESSORIES

## Bath House

 -White enameled tin with $r$ emovable glass sides. To use, open door of cage and attach. Fits any cage. Bird cannot spill water in cage.Price 65e. Postpain, 75c

Tulip Cups, onal or glass,

## 15 e each.

Postpaid, 18e


Canary Bath House.

Shell cups, opal or glass, 15e each; postpaid, 18e.

Single Point cups, opal, 15e each; postpaid, 18 e.

Opal Bird Baths, 15e each; postpaid, 1 Se.


A SMOOTH LAWN AND FLOWERS WILL ADD MUCH BEAUTY TO YOUR HOME

## HAVALAWN GRASS SEED

Especially Adapted to This Locality and Will Insure A Fine Velvety Lawn $1 \mathrm{lb} ., 50 \mathrm{c} ; 3 \mathrm{lbs} ., \$ 1.45 ; 10 \mathrm{lbs} ., \$ 4.50 ; 50$ lbs., $\$ 20.00$

## ST. LOUIS SEED COMPANY

The Home of "Pure and Sure" Seeds

